decades. An Investigational New Drug (IND) application has been filed with Drug Controller General of India (DCGI). After the clearance of IND, the molecule will be taken through clinical studies of Phase I, II and III. If successful in these studies, the molecule will become a drug. These studies may take about 5 to 6 years.

New Meteorological Research Centres

161. SHRI BALAVANT *ALIAS* BAL APTE: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether Government have any proposal to set up new meteorological research centres;

(b) if so, the details thereof, State-wise; and

(c) whether Government are paying heed to modernize the old meteorological centres; if so, the details on amount spent during the last three years of this work?

THE MINISTER OF STATE OF THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): (a) No Sir.

(b) In view of (a) does not arise.

(c) Yes, Sir. The Government is paying the necessary attention to modernize the existing meteorological centres. The details of amount spent during the last three years on modernization are:—

Year	Plan (Rs. In Lakhs)
2001-02	2499
2002-03	2557
2003-04	2640

Products under NMITLI

162. SHRI ABU ASIM AZMI: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether it is a fact that various products have been taken under the programme the New Millennium Initiative (NMITLI);

(b) the details of the projects NMITLI is associated with and also the funding given by NMITLI;

(c) in what manner Government ensure the safety of the capital employed; and

(d) what were the parameters for selecting a product?

THE MINISTER OF STATE OF THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): (a) No, Sir.

(b) In all 33 projects have been supported under the NMITLI scheme. The List of projects along with funding for each project is given in the Statement (*See* below).

(c) NMITLI focuses on cutting edge S&T areas, which invariably involve risk taking. Thus, proper selection of niche areas, evolving a focused project and tight monitoring during implementation ensures the safety and proper utilization of the funds employed. A legal agreement is also signed by all the partners before launching the project to ensure compliance of partners to the objectives of the project.

(d) The main parameters among others for selecting a project under NMITLI are novelty, leadership possibility, potential technological benefits, ability of the country to capture the benefits arising out of the development and technology/R&D capacity of the country in the area.

Statement

List of projects under NMITLI and financial outlay

Sl. No.	Project Name	Project Outlay (Rs. in Lakh)
1.	Two orders of magnitude improved liquid crystals for flat panel display devices	154.00
2.	Defunctionalisation of carbohydrates of a feedstock to manufacture industrial chemicals	253.23
3.	New targets and markers for cancer using genomics and proteomics	1425.43
4.	Stimuli sensitive polymeric nano-particle based advanced drug delivery system for cancer, diabetes and anti-bacterials	313.40

Sl. No.	Project Name	Project Outlay (Rs. in Lakh)
5.	5 & 25 KW decentralized power packs	690.00
6.	Latent M. tuberculosis: New targets, drug delivery system, bio-enhancers and therapeutics	2354.32
7.	Using functionals genomics in Tea, mentha, Ashwagandha plants for gene expression modulation	788.30
8.	Mesoscale modeling for monsoon-related predictions	643.85
9.	Nano-material catalysts and associated process technology for alkylation/acylation reaction, pre-reforming of hydrocarbons and sulphur removal from petroleum fuels	552.40
10.	Development of versatile portable software for bioinformatics	1701.70
11.	Biodegradable plastics from agriculture wastes: Cellulose esters based on bagasse derived cellulose	200.00
12a.	Herbal based preparations for degenerative disorders: Diabetes mellitus type II (NIDDM) with emphasis on insulin sensitization and herboprint	366.16
12b.	Herbal based preparations for degenerative disorders: Osteoarthritis (OA) and Rheumatoid Arthritis and herboprint.	332.50
12c.	Herbal based preparations for degenerative disorders: Common hepatic disorders with emphasis on hepatocellular protection and herboprint	369.56
13.	Biotechnology for leather: Towards cleaner processing	630.00
14.	Improved Granular Processing: Towards energy efficiency and resources conversation in cement manufacture	486.96
15.	Development of an oral herbal formulation for treatment of Psoriasis	690.00
16.	Development of novel biotech molecule Lysostaphin	780.00
17.	Microbiological conversion of Erythromycin to Clarithromycin and other novel biological active molecules	121.54
18.	Rare Earth based Pigments	48.00
19.	Functionalisation of Alkane	674.57
20.	Eye & Vision	347.93

Sl. No.	Project Name	Project Outlay (Rs. in Lakh)
21.	Advanced nano-materials and composites relevant to tribological and structural applications	754.25
22.	Value added polymeric materials from renewable resources: Lactic acid and lactic acid based polymers	613.00
23.	Recombinant approach to produce linolenic acid and docosahexanoic acid (DHA) in sunflower and yeast	325.80
24.	A cost effective Simple Office Computing (SofComp) platform to replace PC	330.00
25.	A PC based high end 3D visualization platform for computational biology-Darshee	192.80
26.	Improved annotation of Plasmodium falciparam through combination of machine learning and experimental methods : Annotation and experimental validation of specific pathways	625.22
27.	Oral delivery of insulin	287.13
28.	Pharmacological and genomic investigations on *Withania somnifera*: An Indian medicinal plant	367.00
29.	Development of Novel Fungicides	554.20
30.	Development of next generation peripheral interface technologies: USB 2.0 PHY and 1394B PHY	529.60
31.	Biotechnological approaches for improvements of plant species in India with special reference to pulp and paper	497.30
32.	Development of fuel cells based on hydrogen	2351.00
33.	Development of a 500 KW low cost horizontal axis Wind Turbine	527.30

Utilization of Data Prepared by National Remote Sensing Agency

†163. SHRIMATI KUM KUM RAI: Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state utilization of data made with regard to exploration of underground water and soil conservation by National Remote Sensing Agency during last three years?

THE MINISTER OF STATE OF THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI KAPIL SIBAL): The details of utilization of data

†Original notice of the question was received in Hindi.